

ExxonMobil
Refining and Supply Company
Downstream - Safety, Health & Environment
Environmental Remediation
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, CA 94524-4032
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxon.com

Gene N. Ortega
Territory Manager
Global Remediation - US Retail

This data should be in GERMIS.

245

ExxonMobil
Refining & Supply

September 7, 2001

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

SEP 10 2001

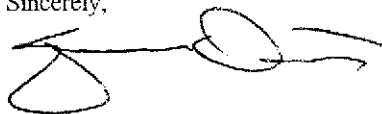
RE: Former Exxon RAS #7-0238/2200 East 12th Street, Oakland, California.

Dear Mr. Chan:

Attached for your review and comment is a letter report entitled *Quarterly Groundwater Monitoring Report, Third Quarter 2001*, dated September 6, 2001, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details the results of the quarterly groundwater monitoring and sampling activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,



Gene N. Ortega
Territory Manager

Attachment: ERI's Quarterly Groundwater Monitoring Report, Third Quarter 2001, dated September 6, 2001.

cc: w/ attachment
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Winson B. Low, Environmental and Safety Affairs Department

w/o attachment
Mr. Scott D. Thompson, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

September 6, 2001
ERI 229313.R13

SEP 10 2001

Mr. Gene N. Ortega
ExxonMobil Refining and Supply
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring Report, Third Quarter 2001, Former Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Refining and Supply (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the third quarter 2001 groundwater monitoring and sampling event. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of quarterly monitoring and sampling is to evaluate maximum concentrations of dissolved hydrocarbons in groundwater and groundwater flow direction and hydraulic gradient.

GROUNDWATER MONITORING AND SAMPLING

On July 12, 2001, ERI measured depth to water (DTW) and collected groundwater samples from select monitoring wells for laboratory analysis. Due to a measurement error during the original sampling event, ERI re-measured DTW from monitoring wells on August 17, 2001. ERI used this most recent data to calculate the hydraulic gradient. Groundwater monitoring and sampling were performed in accordance with ERI's groundwater sampling protocol (Attachment A).

The calculated hydraulic gradient and groundwater flow direction are presented on Plate 2. Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses and Results

Groundwater samples were submitted to Southern Petroleum Laboratories, Inc. (SPL), a California state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary butyl ether (MTBE); and total petroleum hydrocarbons as gasoline (TPHg), using the methods listed in the notes in Table 1. The laboratory analysis report and Chain-of-Custody record are attached (Attachment B). Cumulative results of laboratory analyses of groundwater samples are summarized in Table 1. The results of analyses of groundwater samples collected during the recent sampling event are shown on Plate 2.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

ERI recommends forwarding copies of this report to:

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Mr. Stephen Hill
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

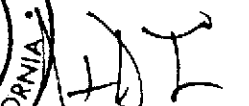
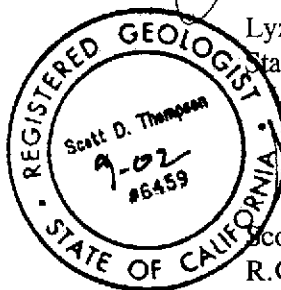
Mr. Winson B. Low
Environmental and Safety Affairs Department
One Valero Place, MS-06E
San Antonio, Texas 78212

Please call Mr. Scott D. Thompson, ERI's project manager for this site, at (415) 382-5987, with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.



Lyz A. Cullmann
Staff Geologist



Scott D. Thompson
R.G. 6459

Attachments: Table 1: Cumulative Groundwater Monitoring and Sampling Data

Plate 1: Site Vicinity Map

Plate 2: Generalized Site Plan

Attachment A: Groundwater Sampling Protocol

Attachment B: Laboratory Analysis Report and Chain-of-Custody Record

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0238
 2200 East 12th Street
 Oakland, California
 (Page 1 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW .feet.....>	Elev.	TPHg <.....>	MTBE	B ug/L.....>	T	E	X
(14.53)	11/02/95	NLPH	7.16	4.30	<50	<10	<0.5	<0.5	<0.5	<0.5
	04/26/96	NLPH	6.33	5.13	---	---	---	---	---	---
	08/22/96	NLPH	7.02	4.44	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.14	5.32	<200	40,000	7.9	<2.0	<2.0	<2.0
	04/21/98	NLPH	6.29	5.17	<50	53,000	3.8	<0.5	<0.5	<0.5
	07/22/98	NLPH	6.58	7.95	<250	18,000	<2.5	<2.5	<2.5	<2.5
	12/22/98	NLPH	6.47	8.06	<50	5,200	<0.5	<0.5	<0.5	<0.5
	02/26/99	NLPH	6.38	8.15	<100	10,000	<1.0	<1.0	<1.0	<1.0
	5/27/99 b	NLPH	6.56	7.97	<5,000	15,300	<50	<50	<50	<50
	08/03/99	NLPH	9.39	5.14	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/03/99	NLPH	6.52	8.01	<50	1,400	<0.5	<0.5	<0.5	0.67 c
	02/29/00	NLPH	5.31	9.22	<50	20,000	1.2	<0.5	<0.5	<0.5
	05/18/00	NLPH	6.31	8.22	<50	14,000/11,000a	<0.5	<0.5	<0.5	<0.5
	07/24/00	NLPH	6.54	7.99	<50	7,400	<0.5	<0.5	<0.5	<0.5
	10/09/00	NLPH	6.00	8.53	<50	2,300	<0.5	<0.5	<0.5	<0.5
	01/10/01	NLPH	6.34	8.19	<50	3,700	<0.5	<0.5	<0.5	<0.5
04/10/01	NLPH	9.31	5.22	<50	11,000	<0.5	<0.5	<0.5	<0.5	
07/12/01	NLPH	---	---	<50	3,600	<0.5	<0.5	<0.5	<0.5	
8/17/01 d	---	6.61	7.92	---	---	---	---	---	---	
(12.83)	11/02/95	NLPH	6.14	3.66	130	<10	3.3	<0.5	<0.5	<0.5
	04/26/96	NLPH	5.66	4.14	270	70	130	2.8	6.7	<3
	08/22/96	NLPH	6.16	3.64	210	31	5.7	6.8	1.1	9.2
	02/24/97	NLPH	5.58	4.22	1,400	1,300	76	1.4	4.1	1.2
	03/16/98	NLPH	5.32	4.48	860	1,500	140	2.0	11	<2.0
	04/21/98	NLPH	5.49	4.31	1,800	18,000	300	<5.0	7.9	<5.0
	07/22/98	NLPH	5.79	7.04	<500	26,000	13	<5.0	<5.0	<5.0
	12/22/98	NLPH	5.69	7.14	700	21,000	110	3.1	9.1	14
	02/26/99	NLPH	5.10	7.73	8,800	8,000	2,000	<25	52	38
	05/18/99	NLPH	5.65	7.18	<10,000	42,100	158	<100	<100	<100
	08/03/99	NLPH	6.24	6.59	960	24,900	<5.0	<5.0	<5.0	<5.0
	12/03/99	NLPH	5.66	7.17	<50	1,000	<0.5	<0.5	<0.5	<0.5
	02/29/00	NLPH	4.61	8.22	3,100	25,000	900	7	23	7.1
	05/18/00	NLPH	5.54	7.29	780	34,000/26,000a	150	<2.5	4.5	<2.5
	07/24/00	NLPH	8.75	4.08	<250	39,000	8	<2.5	<2.5	<2.5
	10/09/00	NLPH	4.84	7.99	<1,200	30,000	1.7	<0.5	<0.5	<0.5
	01/10/01	NLPH	5.56	7.27	<250	32,000	5.3	<0.5	<0.5	<0.5
04/10/01	NLPH	5.40	7.43	360	27,000	69.0	<2.5	22.0	29.8	

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0238
 2200 East 12th Street
 Oakland, California
 (Page 2 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet.....>	Elev. <.....>	TPHg <.....>	MTBE <.....>	B ug/L.....>	T <.....>	E <.....>	X <.....>
MW9B (cont.) (12.83)	07/12/01	NLPH	---	---	<250	41,000	<2.5	<2.5	<2.5	<2.5
	8/17/01 d	---	5.83	7.00	---	---	---	---	---	---
MW9C (11.14)	11/02/95	---	---	---	---	---	---	---	---	---
	04/26/96	---	---	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	5.51	5.63	<500	150,000	24	<5.0	<5.0	<5.0
	04/21/98	NLPH	5.83	5.31	150	130,000/150,000a	<0.5	<0.5	<0.5	<0.5
(14.19)	07/22/98	NLPH	6.43	7.76	<500	95,000	<5.0	<5.0	<5.0	<5.0
	12/22/98	NLPH	6.16	8.03	<500	84,000	<5.0	<5.0	<5.0	<5.0
	02/26/99	NLPH	5.46	8.73	<250	55,000	<2.5	<2.5	<2.5	<2.5
	05/18/99	NLPH	6.27	7.92	<25,000	68,900	<250	<250	<250	<250
	08/03/99	NLPH	7.13	7.06	210	69,200	<1.0	1.3	<1.0	<1.0
	12/03/99	NLPH	6.17	8.02	290	50,000	<2.5	<2.5	<2.5	<2.5
	02/29/00	NLPH	4.49	9.70	<250	40,000	<2.5	<2.5	<2.5	<2.5
	05/18/00	NLPH	5.96	8.23	<250	46,000/33,000	<2.5	<2.5	<2.5	<2.5
	07/24/00	NLPH	6.47	7.72	<250	44,000	<2.5	<2.5	<2.5	<2.5
	10/09/00	NLPH	6.57	7.62	<250	39,000	<2.5	<2.5	<2.5	<2.5
	01/10/01	NLPH	6.09	8.10	<250	42,000	<2.5	<2.5	<2.5	<2.5
	04/10/01	NLPH	7.88	6.31	<250	35,000	<2.5	<2.5	<2.5	<2.5
	07/12/01	NLPH	---	---	<250	32,000	<2.5	<2.5	<2.5	<2.5
	8/17/01 d	---	6.60	7.59	---	---	---	---	---	---
MW9D (12.90)	11/02/95	---	---	---	---	---	---	---	---	---
	04/26/96	---	---	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.94	5.96	<50	10	<0.5	<0.5	<0.5	<0.5
	04/21/98	NLPH	7.22	5.68	<50	12	<0.5	<0.5	<0.5	<0.5
(15.98)	07/22/98	NLPH	7.85	8.13	<50	13	<0.5	<0.5	<0.5	<0.5
	12/22/98	NLPH	7.58	8.40	<50	12	<0.5	<0.5	<0.5	<0.5
	02/26/99	NLPH	6.42	9.56	<50	310	<0.5	<0.5	<0.5	<0.5
	05/18/99	NLPH	6.55	9.43	<2,500	13,500	<25	<25	<25	<25
	08/03/99	NLPH	8.34	7.64	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	12/03/99	NLPH	7.56	8.42	<50	<2	<0.5	<0.5	<0.5	<0.5
	02/29/00	NLPH	4.82	11.16	<50	2.5	<0.5	<0.5	<0.5	<0.5
	05/18/00	NLPH	7.40	8.58	<50	6.2	<0.5	<0.5	<0.5	<0.5
	07/24/00	NLPH	7.91	8.07	<50	14	<0.5	<0.5	0.85	0.74

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0238
 2200 East 12th Street
 Oakland, California
 (Page 3 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....feet.....>	DTW	Elev.	TPHg <.....ug/L.....>	MTBE	B	T	E	X
MW9D (cont.) (15.98)	10/09/00	NLPH	8.02	7.96	<50	14	<0.5	<0.5	<0.5	<0.5
	01/10/01	NLPH	7.26	8.72	<50	18	<0.5	<0.5	<0.5	<0.5
	04/10/01	NLPH	7.32	8.66	<50	14	<0.5	<0.5	<0.5	<0.5
	07/12/01	NLPH	--	--	<50	22	<0.5	<0.5	<0.5	<0.5
	08/17/01 e	---	---	---	---	---	---	---	---	---
MW9F (8.37)	11/02/95	---	---	---	---	---	---	---	---	---
	04/26/96	NLPH	---	---	<50	57	<0.5	<0.5	<0.5	<0.5
	08/22/96	NLPH	---	---	<50	5.8	<0.5	<0.5	<0.5	<0.5
	02/24/97	NLPH	---	---	<50	<30	<0.5	<0.5	<0.5	<0.5
	03/16/98	NLPH	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---
	(11.38)	07/22/98	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.47	5.91	<50	81	<0.5	<0.5	<0.5	<0.5
	02/26/99	NLPH	5.35	6.03	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	05/18/99	NLPH	5.62	5.76	<50	61.6	<0.5	<0.5	<0.5	<0.5
	08/03/99	NLPH	6.32	5.06	<50	3.10	<0.5	<0.5	<0.5	<0.5
	12/03/99	NLPH	5.59	5.79	<50	<2	<0.5	<0.5	0.71	<0.5
	02/29/00	NLPH	4.70	6.68	<50	52	<0.5	<0.5	<0.5	<0.5
	05/18/00	NLPH	5.37	6.01	<50	65	<0.5	<0.5	<0.5	<0.5
	07/24/00	NLPH	5.65	5.73	<50	170	<0.5	<0.5	<0.5	<0.5
	10/09/00	NLPH	5.71	5.67	<50	170	<0.5	<0.5	<0.5	<0.5
	01/10/01	NLPH	4.30	7.08	<50	140	<0.5	<0.5	<0.5	<0.5
04/10/01	NLPH	5.20	6.18	<50	50	<0.5	<0.5	<0.5	<0.5	
07/12/01	NLPH	--	--	<50	190	<0.5	<0.5	<0.5	<0.5	
08/17/01 e	--	--	--	--	--	--	--	--	--	
MW9G (9.95)	11/02/95	NLPH	5.92	4.03	<50	<10	<0.5	<0.5	<0.5	<0.5
	04/26/96	NLPH	5.28	4.67	<50	18	<0.5	<0.5	<0.5	<0.5
	08/22/96	NLPH	5.57	4.38	<50	18	<0.5	<0.5	<0.5	<0.5
	02/24/97	NLPH	5.30	4.65	<50	240	<0.5	0.57	<0.5	0.62
	03/16/98	---	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---
	(12.99)	07/22/98	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.28	7.71	<50	1,100	<0.5	<0.5	<0.5	<0.5
	02/26/99	NLPH	5.31	7.68	<50	50	<0.5	<0.5	<0.5	<0.5
	05/18/99	NLPH	5.18	7.81	<1,000	3,990	<10	<10	<10	<10
	08/03/99	NLPH	6.00	6.99	<50	1,340	<0.5	<0.5	<0.5	<0.5
12/03/99	NLPH	5.27	7.72	<50	<2	<0.5	<0.5	<0.5	0.55 c	

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California
(Page 4 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet	Elev. >.....<	TPHg <.....>	MTBE	B ug/L	T	E	X	
MW9G (cont.) (12.99)	02/29/00	NLPH	4.60	8.39	<50	7,900	<0.5	<0.5	<0.5	<0.5	
	05/18/00	NLPH	5.16	7.83	<50	2,400	<0.5	<0.5	<0.5	<0.5	
	07/24/00	NLPH	5.20	7.79	<50	1,000	<0.5	<0.5	<0.5	<0.5	
	10/09/00	NLPH	5.26	7.73	<50	180	<0.5	<0.5	<0.5	<0.5	
	01/10/01	NLPH	5.18	7.81	<50	1,200	<0.5	<0.5	<0.5	<0.5	
	04/10/01	NLPH	5.08	7.91	<50	9,100	<0.5	<0.5	<0.5	<0.5	
	07/12/01	NLPH	--	--	<50	3,000	<0.5	<0.5	<0.5	<0.5	
	8/17/01 e	---	---	---	---	---	---	---	---	---	
MW9H (8.58)	11/02/95	NLPH	8.40	0.18	<50	<10	<0.5	<0.5	<0.5	<0.5	
	04/26/96	NLPH	8.05	0.53	---	---	---	---	---	---	
	08/22/96	NLPH	8.17	0.41	---	---	---	---	---	---	
	02/24/97	---	---	---	---	---	---	---	---	---	
	03/16/98	---	---	---	---	---	---	---	---	---	
	04/21/98	---	---	---	---	---	---	---	---	---	
	(11.61)	07/22/98	---	---	---	---	---	---	---	---	
	12/22/98	NLPH	7.81	3.80	<50	<2.5	<0.5	<0.5	<0.5	<0.5	
	02/26/99	NLPH	7.61	4.00	<50	<2.5	<0.5	<0.5	<0.5	<0.5	
	05/18/99	NLPH	8.00	3.61	<50	3.98	<0.5	<0.5	<0.5	<0.5	
	08/03/99	NLPH	6.05	5.56	<50	<2.5	<0.5	<0.5	<0.5	<0.5	
	12/03/99	NLPH	5.32	6.29	<50	<2	<0.5	<0.5	<0.5	0.57 c	
	02/29/00	NLPH	7.10	4.51	<50	<2	<0.5	<0.5	<0.5	<0.5	
	05/18/00	NLPH	7.84	3.77	<50	9.7	<0.5	<0.5	<0.5	<0.5	
	07/24/00	NLPH	7.94	3.67	<50	17	<0.5	<0.5	<0.5	<0.5	
	10/09/00	NLPH	8.09	3.52	<50	13	<0.5	<0.5	<0.5	1.1	
	01/10/01	NLPH	7.89	3.72	<50	11	<0.5	<0.5	<0.5	0.5	
04/10/01	NLPH	8.71	2.90	<50	44	<0.5	0.78	0.52	2.36		
07/12/01	NLPH	--	--	<50	28	<0.5	<0.5	<0.5	<0.5		
8/17/01 e	---	---	---	---	---	---	---	---	---		
MW9I (10.11)	11/02/95	NLPH	6.04	4.07	<50	<10	<0.5	<0.5	<0.5	<0.5	
	04/26/96	NLPH	5.27	4.84	<50	99	<0.5	<0.5	<0.5	<0.5	
	08/22/96	NLPH	5.66	4.45	<50	170	<0.5	<0.5	<0.5	<0.5	
	02/24/97	NLPH	5.24	4.87	120	9,100	<0.5	<0.5	<0.5	<0.5	
	03/16/98	NLPH	4.91	5.20	<200	59,000	13	<2.0	<2.0	<2.0	
	04/21/98	NLPH	5.08	5.03	<500	59,000	<5.0	<5.0	<5.0	<5.0	
	(13.14)	07/22/98	NLPH	5.44	7.70	<500	62,000	<5.0	<5.0	<5.0	<5.0
	12/22/98	NLPH	5.32	7.82	200	51,000	1.7	<0.5	<0.5	<0.5	
02/26/99	NLPH	4.71	8.43	<500	9,700	<5.0	<5.0	<5.0	<5.0		

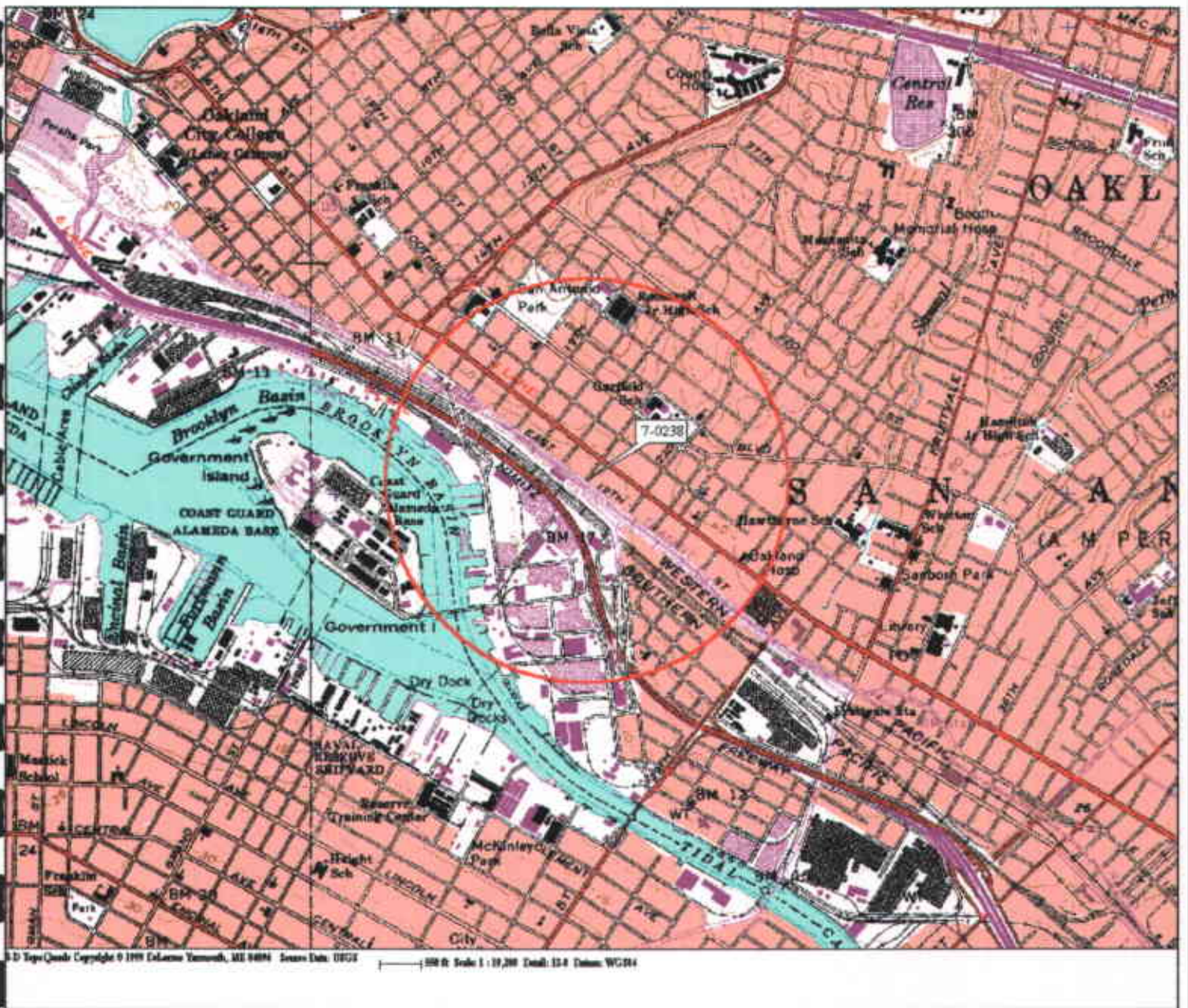
TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California
(Page 5 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....feet.....>	DTW feet	Elev. feet	TPHg <.....>	MTBE ug/L	B ug/L	T ug/L	E ug/L	X ug/L
MW9I (cont.) (13.14)	05/18/99	NLPH	5.30	7.84	<1,000	3,730	<10	<10	<10	<10
	08/03/99	NLPH	5.98	7.16	<50	21,900	<0.5	0.650	<0.5	<0.5
	12/03/99	NLPH	5.31	7.83	<250	2,000	3.9	2.9	<2.5	14
	02/29/00	NLPH	4.20	8.94	50	16,000	0.74	<0.5	<0.5	<0.5
	05/18/00	NLPH	5.12	8.02	<50	2,900	<0.5	<0.5	<0.5	<0.5
	07/24/00	NLPH	5.41	7.73	<250	43,000	<2.5	<2.5	<2.5	<2.5
	10/09/00	NLPH	5.41	7.73	<2,500	54,000	1.6	<0.5	<0.5	<0.5
	01/10/01	NLPH	5.24	7.90	<250	36,000	<2.5	<2.5	<2.5	<2.5
	04/10/01	NLPH	4.84	8.30	<50	4,800	<0.5	<0.5	<0.5	<0.5
	07/12/01	NLPH	---	---	<50	8,400	<0.5	<0.5	<0.5	<0.5
	08/17/01	---	6.49	6.65	---	---	---	---	---	---

Notes:

- SUBJ = Results of subjective evaluation.
- NLPH = No liquid-phase hydrocarbons present in well.
- TOC = Elevation of top of well casing; relative to mean sea level.
- DTW = Depth to water.
- Elev. = Elevation of groundwater surface; relative to mean sea level.
- TPPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8021B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- < = Less than the indicated detection limit shown by the laboratory.
- = Not measured or sampled.
- ug/L = Micrograms per Liter.
- a = MTBE confirmed using EPA Method 8260.
- b = Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
- c = Analyte detected in the associated Trip Blank at 0.52 ug/L.
- d = Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken.
- e = Well inaccessible due to uncontrollable traffic conditions.



FN 2293TOPO

EXPLANATION



1/2-mile radius circle

APPROXIMATE SCALE



SOURCE:
 Modified from a map
 provided by
 DeLorme 3-D TopoQuads

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0238
 2200 East 12th Street
 Oakland, California

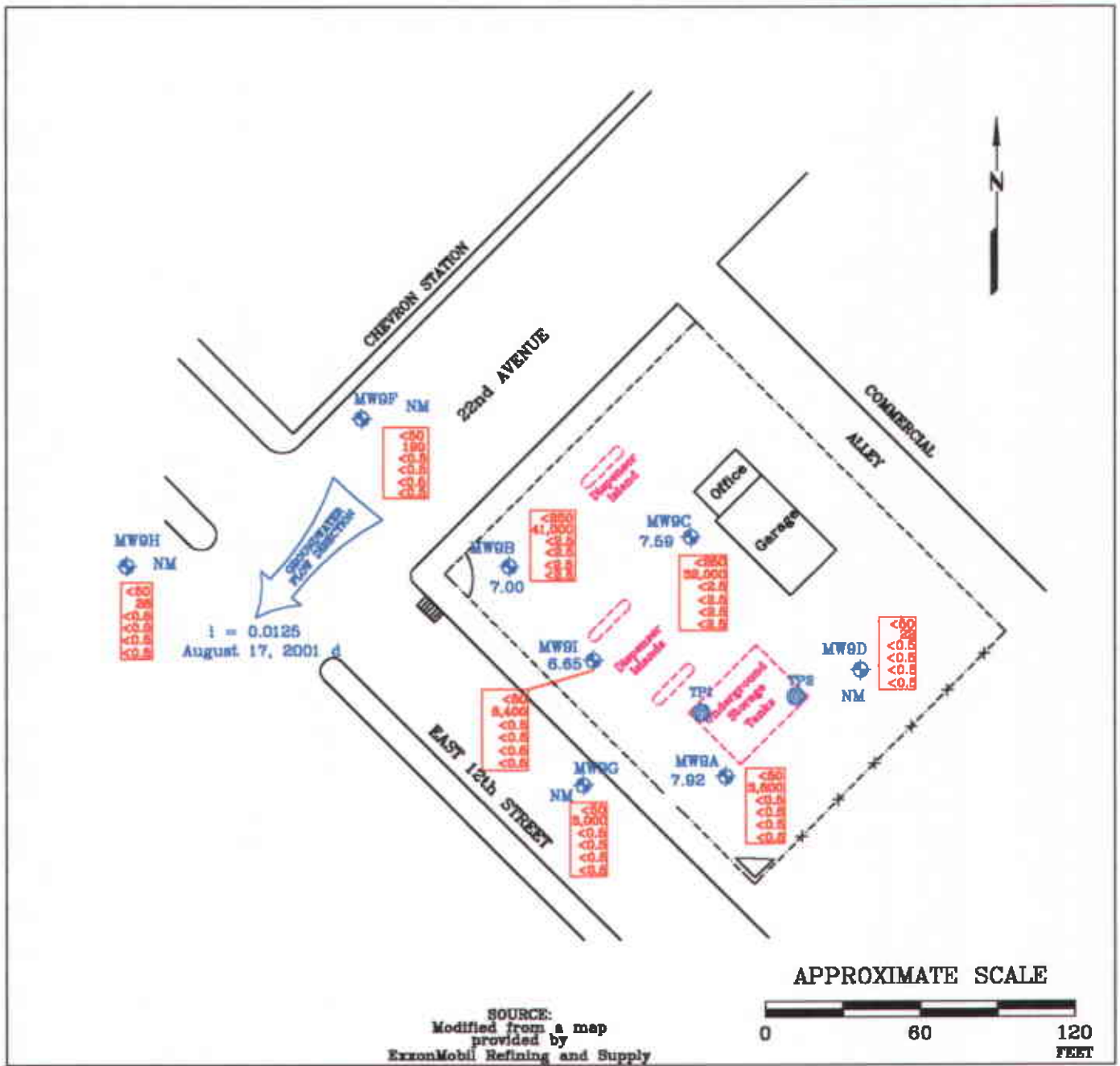
PROJECT NO.

2293

PLATE

1





FN 22930002

EXPLANATION

- MW9I
- Groundwater Monitoring Well
- 8.85 Groundwater elevation in feet, datum is mean sea level measured August 17, 2001
- i = Interpreted Groundwater Gradient
- TP2
- UST Observation Well
- NM-Not Measured
- d- Due to measurement error, DTW was re-measured on August 17, 2001. No samples were taken.

Groundwater Concentrations in ug/L
Sampled July 12, 2001

- <250 Total Petroleum Hydrocarbons as gasoline
- 41,000 Methyl Tertiary Butyl Ether
- <2.5 Benzene
- <2.5 Toluene
- <2.5 Ethylbenzene
- <2.5 Total Xylenes

ug/L Micrograms per Liter
< Less Than the Stated Laboratory Detection Level



GENERALIZED SITE PLAN
FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293
PLATE
2

ATTACHMENT A
GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contains water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h (7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

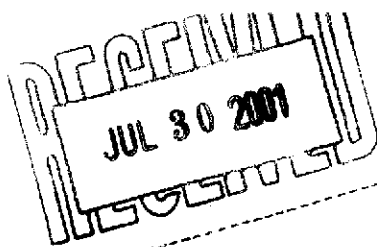
After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter (ml) glass vials, 1,000 ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the chain of custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody Record, to a California-certified laboratory.

ATTACHMENT B

**LABORATORY ANALYSIS REPORT
AND CHAIN-OF-CUSTODY RECORD**



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

01070572

Report To: Environmental Resolution, Inc. Scott Thompson 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	Project Name: 2293-13x Site: 7-0238 Site Address: 2200 East 12th Oakland CA PO Number: EWR#21040347 State: California State Cert. No.: 1903 Date Reported: 7/24/01
--	--

This Report Contains A Total Of 25 Pages

Excluding This Page

And

Chain Of Custody

7/24/01

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
EXXON Company U.S.A.

Certificate of Analysis Number:
01070572

<p>Report To:</p> <p>Environmental Resolution, Inc. Scott Thompson 73 Digital Drive Suite 100</p> <p>Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856</p>	<p>Project Name: 2293-13x</p> <p>Site: 7-0238</p> <p>Site Address: 2200 East 12th Oakland CA</p> <p>PO Number: EWR#21040347</p> <p>State: California</p> <p>State Cert. No.: 1903</p> <p>Date Reported: 7/24/01</p>
---	---

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West
 Sonia West
 Senior Project Manager



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

01070572

Report To: Environmental Resolution, Inc.
 Scott Thompson
 73 Digital Drive Suite 100

Novato
 California
 94949-
 ph: (415) 382-9105 fax: (415) 382-1856

Fax To: Environmental Resolution, Inc.
 Scott Thompson fax : (415) 382-1856

Project Name: 2293-13x
Site: 7-0238
Site Address: 2200 East 12th
 Oakland CA
PO Number: EWR#21040347
State: California
State Cert. No.: 1903
Date Reported: 7/24/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
TB 5/22/01	01070572-01	Water	7/12/01	7/17/01 10:00:00 AM		<input type="checkbox"/>
BB-MW9D	01070572-02	Water	7/12/01 1:25:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>
5-MW9G	01070572-03	Water	7/12/01 9:40:00 AM	7/17/01 10:00:00 AM		<input type="checkbox"/>
W-6-MW9C	01070572-04	Water	7/12/01 2:06:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>
6-MW9A	01070572-05	Water	7/12/01 1:50:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>
6-MW9F	01070572-06	Water	7/12/01 11:25:00 AM	7/17/01 10:00:00 AM		<input type="checkbox"/>
W-8-MW9D	01070572-07	Water	7/12/01 1:30:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>
W-12-MW9H	01070572-08	Water	7/12/01 10:35:00 AM	7/17/01 10:00:00 AM		<input type="checkbox"/>
5-MW9I	01070572-09	Water	7/12/01 1:40:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>
6-MW9B	01070572-10	Water	7/12/01 1:59:00 PM	7/17/01 10:00:00 AM		<input type="checkbox"/>

Sonia West

7/24/01

Sonia West
 Senior Project Manager

Date

Joel Grice
 Laboratory Director
 Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 680-0901

Client Sample ID TB 5/22/01

Collected: 7/12/01

SPL Sample ID: 01070572-01

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 9:11	DL	750160
Surr: 1,4-Difluorobenzene	108	% 62-144	1		07/19/01 9:11	DL	750160
Surr: 4-Bromofluorobenzene	102	% 44-153	1		07/19/01 9:11	DL	750160
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 9:11	DL	750030
Ethylbenzene	ND	0.5	1		07/19/01 9:11	DL	750030
Methyl tert-butyl ether	ND	2	1		07/19/01 9:11	DL	750030
Toluene	ND	0.5	1		07/19/01 9:11	DL	750030
m,p-Xylene	ND	0.5	1		07/19/01 9:11	DL	750030
o-Xylene	ND	0.5	1		07/19/01 9:11	DL	750030
Xylenes, Total	ND	0.5	1		07/19/01 9:11	DL	750030
Surr: 1,4-Difluorobenzene	94.3	% 72-137	1		07/19/01 9:11	DL	750030
Surr: 4-Bromofluorobenzene	82.7	% 48-156	1		07/19/01 9:11	DL	750030

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-BB-MW9D Collected: 7/12/01 1:25:00 SPL Sample ID: 01070572-02

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 9:35	DL	750161
Surr: 1,4-Difluorobenzene	105	% 62-144	1		07/19/01 9:35	DL	750161
Surr: 4-Bromofluorobenzene	98.0	% 44-153	1		07/19/01 9:35	DL	750161
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 9:35	DL	750031
Ethylbenzene	ND	0.5	1		07/19/01 9:35	DL	750031
Methyl tert-butyl ether	ND	2	1		07/19/01 9:35	DL	750031
Toluene	ND	0.5	1		07/19/01 9:35	DL	750031
m,p-Xylene	ND	0.5	1		07/19/01 9:35	DL	750031
o-Xylene	ND	0.5	1		07/19/01 9:35	DL	750031
Xylenes, Total	ND	0.5	1		07/19/01 9:35	DL	750031
Surr: 1,4-Difluorobenzene	93.8	% 72-137	1		07/19/01 9:35	DL	750031
Surr: 4-Bromofluorobenzene	84.2	% 48-156	1		07/19/01 9:35	DL	750031

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



Client Sample ID W-5-MW9G Collected: 7/12/01 9:40:00 SPL Sample ID: 01070572-03

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 12:49	DL	750182
Surr: 1,4-Difluorobenzene	106	% 62-144	1		07/19/01 12:49	DL	750182
Surr: 4-Bromofluorobenzene	102	% 44-153	1		07/19/01 12:49	DL	750182
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 12:49	DL	750063
Ethylbenzene	ND	0.5	1		07/19/01 12:49	DL	750063
Methyl tert-butyl ether	3000	50	25		07/21/01 20:51	DL	752380
Toluene	ND	0.5	1		07/19/01 12:49	DL	750063
m,p-Xylene	ND	0.5	1		07/19/01 12:49	DL	750063
o-Xylene	ND	0.5	1		07/19/01 12:49	DL	750063
Xylenes, Total	ND	0.5	1		07/19/01 12:49	DL	750063
Surr: 1,4-Difluorobenzene	93.0	% 72-137	1		07/19/01 12:49	DL	750063
Surr: 1,4-Difluorobenzene	102	% 72-137	25		07/21/01 20:51	DL	752380
Surr: 4-Bromofluorobenzene	84.7	% 48-156	1		07/19/01 12:49	DL	750063
Surr: 4-Bromofluorobenzene	98.5	% 48-156	25		07/21/01 20:51	DL	752380

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-6-MW9C

Collected: 7/12/01 2:06:00

SPL Sample ID: 01070572-04

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	ND	250	5		07/19/01 3:10	DL	749350
Surr: 1,4-Difluorobenzene	107	% 62-144	5		07/19/01 3:10	DL	749350
Surr: 4-Bromofluorobenzene	99.1	% 44-153	5		07/19/01 3:10	DL	749350
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	2.5	5		07/19/01 3:10	DL	749323
Ethylbenzene	ND	2.5	5		07/19/01 3:10	DL	749323
Methyl tert-butyl ether	32000	500	250		07/21/01 21:16	DL	752381
Toluene	ND	2.5	5		07/19/01 3:10	DL	749323
m,p-Xylene	ND	2.5	5		07/19/01 3:10	DL	749323
o-Xylene	ND	2.5	5		07/19/01 3:10	DL	749323
Xylenes, Total	ND	2.5	5		07/19/01 3:10	DL	749323
Surr: 1,4-Difluorobenzene	94.6	% 72-137	250		07/21/01 21:16	DL	752381
Surr: 1,4-Difluorobenzene	92.0	% 72-137	5		07/19/01 3:10	DL	749323
Surr: 4-Bromofluorobenzene	93.9	% 48-156	250		07/21/01 21:16	DL	752381
Surr: 4-Bromofluorobenzene	84.7	% 48-156	5		07/19/01 3:10	DL	749323

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-6-MW9A

Collected: 7/12/01 1:50:00 SPL Sample ID: 01070572-05

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/22/01 11:07	DL	754093
Surr: 1,4-Difluorobenzene	113	% 62-144	1		07/22/01 11:07	DL	754093
Surr: 4-Bromofluorobenzene	86.0	% 44-153	1		07/22/01 11:07	DL	754093
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/22/01 11:07	DL	754062
Ethylbenzene	ND	0.5	1		07/22/01 11:07	DL	754062
Methyl tert-butyl ether	3600	100	50		07/22/01 18:43	DL	754076
Toluene	ND	0.5	1		07/22/01 11:07	DL	754062
m,p-Xylene	ND	0.5	1		07/22/01 11:07	DL	754062
o-Xylene	ND	0.5	1		07/22/01 11:07	DL	754062
Xylenes, Total	ND	0.5	1		07/22/01 11:07	DL	754062
Surr: 1,4-Difluorobenzene	106	% 72-137	1		07/22/01 11:07	DL	754062
Surr: 1,4-Difluorobenzene	103	% 72-137	50		07/22/01 18:43	DL	754076
Surr: 4-Bromofluorobenzene	97.6	% 48-156	50		07/22/01 18:43	DL	754076
Surr: 4-Bromofluorobenzene	99.0	% 48-156	1		07/22/01 11:07	DL	754062

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



Client Sample ID W-6-MW9F

Collected: 7/12/01 11:25:00 SPL Sample ID: 01070572-06

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 9:59	DL	750163
Surr: 1,4-Difluorobenzene	106	% 62-144	1		07/19/01 9:59	DL	750163
Surr: 4-Bromofluorobenzene	101	% 44-153	1		07/19/01 9:59	DL	750163
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 9:59	DL	750034
Ethylbenzene	ND	0.5	1		07/19/01 9:59	DL	750034
Methyl tert-butyl ether	190	2	1		07/19/01 9:59	DL	750034
Toluene	ND	0.5	1		07/19/01 9:59	DL	750034
m,p-Xylene	ND	0.5	1		07/19/01 9:59	DL	750034
o-Xylene	ND	0.5	1		07/19/01 9:59	DL	750034
Xylenes, Total	ND	0.5	1		07/19/01 9:59	DL	750034
Surr: 1,4-Difluorobenzene	91.7	% 72-137	1		07/19/01 9:59	DL	750034
Surr: 4-Bromofluorobenzene	82.8	% 48-156	1		07/19/01 9:59	DL	750034

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-8-MW9D

Collected: 7/12/01 1:30:00

SPL Sample ID: 01070572-07

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 10:23	DL	750165
Surr: 1,4-Difluorobenzene	103	% 62-144	1		07/19/01 10:23	DL	750165
Surr: 4-Bromofluorobenzene	100	% 44-153	1		07/19/01 10:23	DL	750165
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 10:23	DL	750039
Ethylbenzene	ND	0.5	1		07/19/01 10:23	DL	750039
Methyl tert-butyl ether	22	2	1		07/19/01 10:23	DL	750039
Toluene	ND	0.5	1		07/19/01 10:23	DL	750039
m,p-Xylene	ND	0.5	1		07/19/01 10:23	DL	750039
o-Xylene	ND	0.5	1		07/19/01 10:23	DL	750039
Xylenes, Total	ND	0.5	1		07/19/01 10:23	DL	750039
Surr: 1,4-Difluorobenzene	90.6	% 72-137	1		07/19/01 10:23	DL	750039
Surr: 4-Bromofluorobenzene	81.8	% 48-156	1		07/19/01 10:23	DL	750039

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-12-MW9H Collected: 7/12/01 10:35:00 SPL Sample ID: 01070572-08

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 10:47	DL	750166
Surr: 1,4-Difluorobenzene	106	% 62-144	1		07/19/01 10:47	DL	750166
Surr: 4-Bromofluorobenzene	97.0	% 44-153	1		07/19/01 10:47	DL	750166
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 10:47	DL	750045
Ethylbenzene	ND	0.5	1		07/19/01 10:47	DL	750045
Methyl tert-butyl ether	28	2	1		07/19/01 10:47	DL	750045
Toluene	ND	0.5	1		07/19/01 10:47	DL	750045
m,p-Xylene	ND	0.5	1		07/19/01 10:47	DL	750045
o-Xylene	ND	0.5	1		07/19/01 10:47	DL	750045
Xylenes, Total	ND	0.5	1		07/19/01 10:47	DL	750045
Surr: 1,4-Difluorobenzene	92.4	% 72-137	1		07/19/01 10:47	DL	750045
Surr: 4-Bromofluorobenzene	83.7	% 48-156	1		07/19/01 10:47	DL	750045

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 860-0901

Client Sample ID W-5-MW9I Collected: 7/12/01 1:40:00 SPL Sample ID: 01070572-09

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		07/19/01 11:12	DL	750167
Surr: 1,4-Difluorobenzene	109	% 62-144	1		07/19/01 11:12	DL	750167
Surr: 4-Bromofluorobenzene	101	% 44-153	1		07/19/01 11:12	DL	750167
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/19/01 11:12	DL	750051
Ethylbenzene	ND	0.5	1		07/19/01 11:12	DL	750051
Methyl tert-butyl ether	8400	100	50		07/21/01 21:42	DL	752382
Toluene	ND	0.5	1		07/19/01 11:12	DL	750051
m,p-Xylene	ND	0.5	1		07/19/01 11:12	DL	750051
o-Xylene	ND	0.5	1		07/19/01 11:12	DL	750051
Xylenes, Total	ND	0.5	1		07/19/01 11:12	DL	750051
Surr: 1,4-Difluorobenzene	92.4	% 72-137	1		07/19/01 11:12	DL	750051
Surr: 1,4-Difluorobenzene	98.9	% 72-137	50		07/21/01 21:42	DL	752382
Surr: 4-Bromofluorobenzene	96.5	% 48-156	50		07/21/01 21:42	DL	752382
Surr: 4-Bromofluorobenzene	84.5	% 48-156	1		07/19/01 11:12	DL	750051

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-6-MW9B

Collected: 7/12/01 1:59:00 SPL Sample ID: 01070572-10

Site: 7-0238

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	250	5		07/19/01 3:58	DL	749352
Surr: 1,4-Difluorobenzene	107	% 62-144	5		07/19/01 3:58	DL	749352
Surr: 4-Bromofluorobenzene	97.1	% 44-153	5		07/19/01 3:58	DL	749352
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	2.5	5		07/19/01 3:58	DL	749325
Ethylbenzene	ND	2.5	5		07/19/01 3:58	DL	749325
Methyl tert-butyl ether	41000	500	250		07/21/01 22:07	DL	752383
Toluene	ND	2.5	5		07/19/01 3:58	DL	749325
m,p-Xylene	ND	2.5	5		07/19/01 3:58	DL	749325
o-Xylene	ND	2.5	5		07/19/01 3:58	DL	749325
Xylenes, Total	ND	2.5	5		07/19/01 3:58	DL	749325
Surr: 1,4-Difluorobenzene	91.1	% 72-137	5		07/19/01 3:58	DL	749325
Surr: 1,4-Difluorobenzene	99.1	% 72-137	250		07/21/01 22:07	DL	752383
Surr: 4-Bromofluorobenzene	95.2	% 48-156	250		07/21/01 22:07	DL	752383
Surr: 4-Bromofluorobenzene	86.6	% 48-156	5		07/19/01 3:58	DL	749325

Sonia West

Sonia West
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL

Quality Control Documentation



Quality Control Report
EXXON Company U.S.A.
2293-13x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070572
Lab Batch ID: R39390

Method Blank
RunID: VARE_010718B-749303 Units: ug/L
Analysis Date: 07/18/2001 15:06 Analyst: DL

Samples in Analytical Batch:
Lab Sample ID Client Sample ID
01070572-04A W-6-MW9C
01070572-10A W-6-MW9B

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	90.8	72-137
Surr: 4-Bromofluorobenzene	85.3	48-156

Laboratory Control Sample (LCS)

RunID: VARE_010718B-749302 Units: ug/L
Analysis Date: 07/18/2001 14:18 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	104	70	130
Ethylbenzene	50	53	107	70	130
Methyl tert-butyl ether	50	49	98	70	130
Toluene	50	52	104	70	130
m,p-Xylene	100	110	106	70	130
o-Xylene	50	53	106	70	130
Xylenes, Total	150	163	109	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070565-03
RunID: VARE_010718B-749306 Units: ug/L
Analysis Date: 07/18/2001 16:20 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20	98.2	20	19	96.7	1.51	21	32	164
Ethylbenzene	ND	20	20	97.7	20	20	97.8	00307	19	52	142
Methyl tert-butyl ether	ND	20	22	108	20	21	105	2.10	20	39	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

2293-13x

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070572
 Lab Batch ID: R39390

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070565-03
 RunID: VARE_010718B-749306 Units: ug/L
 Analysis Date: 07/18/2001 16:20 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Toluene	ND	20	19	95.2	20	19	94.7	0.553	20	38	159
p-Xylene	ND	40	40	99.5	40	40	101	1.28	17	53	144
o-Xylene	ND	20	20	98.7	20	20	99.4	0.682	18	53	143
Xylenes, Total	ND	60	60	100	60	60	100	0	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
EXXON Company U.S.A.
2293-13x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070572
Lab Batch ID: R39391

Method Blank

Samples in Analytical Batch:

RunID: VARE_010718C-749328 Units: mg/L
Analysis Date: 07/18/2001 15:06 Analyst: DL

Lab Sample ID	Client Sample ID
01070572-04A	W-6-MW9C
01070572-10A	W-6-MW9B

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	105.7	62-144
Surr: 4-Bromofluorobenzene	100.7	44-153

Laboratory Control Sample (LCS)

RunID: VARE_010718C-749327 Units: mg/L
Analysis Date: 07/18/2001 14:42 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.87	87	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070565-04
RunID: VARE_010718C-749407 Units: mg/L
Analysis Date: 07/18/2001 17:07 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.93	104	0.9	0.94	104	0.310	36	36	160

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

2293-13x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070572
Lab Batch ID: R39434

Method Blank

RunID: VARE_010719A-750021 Units: ug/L
Analysis Date: 07/19/2001 6:46 Analyst: DL

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070572-01A	TB 5/22/01
01070572-02A	W-BB-MW9D
01070572-03A	W-5-MW9G
01070572-06A	W-6-MW9F
01070572-07A	W-8-MW9D
01070572-08A	W-12-MW9H
01070572-09A	W-5-MW9I

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	94.1	72-137
Surr: 4-Bromofluorobenzene	85.8	48-156

Laboratory Control Sample (LCS)

RunID: VARE_010719A-750016 Units: ug/L
Analysis Date: 07/19/2001 5:59 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	56	112	70	130
Ethylbenzene	50	56	112	70	130
Methyl tert-butyl ether	50	54	107	70	130
Toluene	50	55	111	70	130
m,p-Xylene	100	110	110	70	130
o-Xylene	50	56	112	70	130
Xylenes, Total	150	166	111	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070572-06
RunID: VARE_010719A-750024 Units: ug/L
Analysis Date: 07/19/2001 7:11 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	21	103	20	20	100	2.49	21	32	164
Ethylbenzene	ND	20	20	101	20	20	99.9	1.51	19	52	142
Methyl tert-butyl ether	190	20	200	66.9	20	200	68.1	1.73	20	39	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
 EXXON Company U.S.A.
 2293-13x

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070572
 Lab Batch ID: R39434

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070572-06
 RunID: VARE_010719A-750024 Units: ug/L
 Analysis Date: 07/19/2001 7:11 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Toluene	ND	20	20	99.1	20	20	98.4	0.731	20	38	159
p-Xylene	ND	40	41	103	40	41	102	0.858	17	53	144
o-Xylene	ND	20	21	103	20	20	100	2.93	18	53	143
Xylenes, Total	ND	60	62	103	60	61	102	1.63	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
EXXON Company U.S.A.
2293-13x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070572
Lab Batch ID: R39441

Method Blank

Samples in Analytical Batch:

RunID: VARE_010719B-750156 Units: mg/L
Analysis Date: 07/19/2001 6:46 Analyst: DL

Lab Sample ID	Client Sample ID
01070572-01A	TB 5/22/01
01070572-02A	W-BB-MW9D
01070572-03A	W-5-MW9G
01070572-06A	W-6-MW9F
01070572-07A	W-8-MW9D
01070572-08A	W-12-MW9H
01070572-09A	W-5-MW9I

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	107.3	62-144
Surr: 4-Bromofluorobenzene	101.7	44-153

Laboratory Control Sample (LCS)

RunID: VARE_010719B-750155 Units: mg/L
Analysis Date: 07/19/2001 6:22 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.93	93	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070572-07
RunID: VARE_010719B-750158 Units: mg/L
Analysis Date: 07/19/2001 7:59 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.88	97.5	0.9	0.87	96.6	0.870	36	36	160

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
EXXON Company U.S.A.
2293-13x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070572
Lab Batch ID: R39540

Method Blank

Samples in Analytical Batch:

RunID: VARD_010721A-752360 Units: ug/L
Analysis Date: 07/21/2001 8:21 Analyst: DL

Lab Sample ID	Client Sample ID
01070572-03A	W-5-MW9G
01070572-04A	W-6-MW9C
01070572-09A	W-5-MW9I
01070572-10A	W-6-MW9B

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	2.0
Surr: 1,4-Difluorobenzene	101.3	72-137
Surr: 4-Bromofluorobenzene	99.6	48-156

Laboratory Control Sample (LCS)

RunID: VARD_010721A-752359 Units: ug/L
Analysis Date: 07/21/2001 7:55 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Methyl tert-butyl ether	50	50	100	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070660-03
RunID: VARD_010721A-752361 Units: ug/L
Analysis Date: 07/21/2001 8:46 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Methyl tert-butyl ether	1.3	20	18	84.5	20	18	82.7	2.13	20	39	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

2293-13x

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070572
Lab Batch ID: R39656

Method Blank

Samples in Analytical Batch:

RunID: VARD_010722A-754051 Units: ug/L
Analysis Date: 07/22/2001 1:56 Analyst: DL

Lab Sample ID: 01070572-05A
Client Sample ID: W-6-MW9A

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	101.2	72-137
Surr: 4-Bromofluorobenzene	99.1	48-156

Laboratory Control Sample (LCS)

RunID: VARD_010722A-754050 Units: ug/L
Analysis Date: 07/22/2001 1:05 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	45	90	70	130
Ethylbenzene	50	45	90	70	130
Methyl tert-butyl ether	50	43	85	70	130
Toluene	50	45	90	70	130
m,p-Xylene	100	88	88	70	130
o-Xylene	50	45	89	70	130
Xylenes, Total	150	133	89	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070658-02
RunID: VARD_010722A-754052 Units: ug/L
Analysis Date: 07/22/2001 2:21 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	16	79.3	20	16	77.7	2.01	21	32	164
Ethylbenzene	ND	20	15	73.4	20	15	72.6	0.982	19	52	142
Methyl tert-butyl ether	110	20	120	25.0 *	20	120	28.5 *	13.3	20	39	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

2293-13x

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070572
 Lab Batch ID: R39656

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070658-02
 RunID: VARD_010722A-754052 Units: ug/L
 Analysis Date: 07/22/2001 2:21 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	15	76.2	20	15	75.7	0.776	20	38	159
p-Xylene	ND	40	29	72.7	40	29	72.0	0.976	17	53	144
o-Xylene	ND	20	16	80.3	20	16	78.4	2.36	18	53	143
Xylenes, Total	ND	60	45	75.0	60	45	75.0	0	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

2293-13x

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 01070572
Lab Batch ID: R39658

Method Blank

Samples in Analytical Batch:

RunID: VARD_010722B-754081 Units: mg/L
Analysis Date: 07/22/2001 1:56 Analyst: DL

Lab Sample ID Client Sample ID
01070572-05A W-6-MW9A

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	103.7	62-144
Surr: 4-Bromofluorobenzene	83.7	44-153

Laboratory Control Sample (LCS)

RunID: VARD_010722B-754080 Units: mg/L
Analysis Date: 07/22/2001 1:30 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.81	81	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01070658-03
RunID: VARD_010722B-754082 Units: mg/L
Analysis Date: 07/22/2001 3:12 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.64	71.3	0.9	0.63	69.7	2.33	36	36	160

Qualifiers: ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 01070572

Received By: NB

Date and Time Received: 7/17/01 10:00:00 AM

Carrier name: FedEx

Temperature: 4

Chilled by: Water Ice

- 1. Shipping container/cooler in good condition? Yes No Not Present
- 2. Custody seals intact on shipping container/cooler? Yes No Not Present
- 3. Custody seals intact on sample bottles? Yes No Not Present
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No Not Applicable
- 13. Water - pH acceptable upon receipt? Yes No Not Applicable

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

EXXON COMPANY, USA.

(West Coast)

CHAIN OF CUSTODY RECORD NO. _____

Page 1 of 1

Exxon Engineer: Gene Ortega Phone: (415) 241-747
 Consultant Co. Name: FRI Contact: Scott Thompson
 Address: 73 Digital Dr. Suite 10 Fax: (415) 352-1956
Novato CA 94949
 RAS #: 7-0238 Facility/State ID # (TN Only): _____
 AFE # (Terminal Only): _____ Consultant Project #: 2243-13X
 Location: 2220 E. 12th St. (City) Oakland (State) CA
 EE C&M SDT
 Consultant Work Release #: 210410347
 Sampled By: JCC

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRAB	8015 DRO	BTEX 8020	602	MTBE 8020	8260	OXYGENATES (7) 8260	O&G IR 413.1	GRAV 413.2	VOL. 8260	624	SEMI-VOL 8270	625	PNA/PAH 8100	8310	8270	PCB/PEST 8081/8082	PCB ONLY	TCP FULL	VOA	SEMA/CA	PEST	HERB	METALS, TOTAL	METALS, TCLP	LEAD, TOTAL	238.1	7421	LEAD, TCLP	LEAD, DISSOLVED	LEAD TOTAL	REACTIVITY	CORROSION	FRESH POINT	PURGEABLE HYDROCARBON	8010	801	TPH/IR 418.1	TOX/TOH				
2	40 ML	X	X	X																																								
2																																												
3																																												

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX			OTHER	PRESERVATIVE
					H ₂ O	SOIL	AIR		
TB	6/22				X				HCL
W-00-MW9D	1325	3/12							
W-5-MW9G	940								
W-6-MW9C	1406								
W-6-MW9A	1350								
W-6-MW9E	1125								
W-8-MW9D	1330								
W-10-MW9H	1035								
W-5-MW9I	1340								
W-1-MW9R	1359								

TAT
 24 HR. ___ * 72 HR. ___ *
 48 HR. ___ * 96 HR. ___ *
 8 Business *Contact US Prior to Sending Sample
 Other ___

**EXXON UST
 CONTRACT NO.
 C41483**

SPECIAL DETECTION LIMITS (Specify)
 SPECIAL REPORTING REQUIREMENTS (Specify)
 PDF EDD
 FAX FAX C-O-C W/REPORT

REMARKS:
 LAB USE ONLY Lot # _____ Storage Location _____
 WORK ORDER #: _____ LAB WORK RELEASE #: _____

CUSTODY RECORD

Relinquished By Sampler:
Gene Ortega for JCC
 Relinquished:
 Relinquished:

Date _____ Time _____
 Date _____ Time _____
 Date _____ Time _____

Received By:
 Received By:
 Received By:
 Way Bill #: _____ Cooler Temp: _____